

Business Energy Saving Incentives Eligible configurations list

Effective January 26, 2018

BC Hydro provides financial incentives for businesses that replace inefficient technologies with energy-efficient alternatives. This list outlines the existing and retrofit configurations that are eligible for incentives. For specific product makes and models, consult the eCatalog at bchydro.com/ecatalog.

If you already have a project in mind, the BC Hydro Alliance of Energy Professionals, an independent network of registered contractors and distributors, can help you get started. Request a referral at bchydro.com/alliance for a list of Alliance members that can help with your project.

If you're not sure where to start, you can schedule an energy consultation with your Key Account Manager or contact the helpdesk at 1 866 522 4713.

Linear fluorescent lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
2' 4 lamp fluorescent	LED (2x2) troffer luminaire or retrofit kit >2000 lm and ≤40 W
4' 2 lamp fluorescent	LED (2x2) troffer luminaire or retrofit kit >2000 lm and ≤40 W
	LED (1x4) troffer luminaire or retrofit kit >2000 lm and ≤40 W
	LED (4') low output strip luminaire or retrofit kit >1500 lm and ≤35W
4' 3 lamp fluorescent	LED (2x4) low/medium output troffer luminaire or retrofit kit >3000 lm and ≤50 W
	LED (4') medium output strip luminaire or retrofit kit >3000 lm and ≤55W
4' 4 lamp fluorescent	LED (2x4) high output troffer luminaire or retrofit kit >3000 lm and ≤70 W
	LED (4') high output strip luminaire or retrofit kit >5000 lm and ≤90W
8' 2 lamp fluorescent	LED (4') low output strip luminaire or retrofit kit >1500 lm and ≤35W
	LED (8') medium output strip luminaire or retrofit kit >3000 lm and ≤70W

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Linear fluorescent lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Fluorescent HO Magnetic Ballast	
8' 1 HO lamp fluorescent	LED (4') low output strip luminaire or retrofit kit >1500 lm and <=35W
	LED (8') medium output strip luminaire or retrofit kit >3000 lm and <=70W
8' 2 HO lamp fluorescent	LED (4') medium output strip luminaire or retrofit kit >3000 lm and <=55W
	LED (8') high output strip luminaire or retrofit kit >5000 lm and <=110W
Fluorescent T12 VHO Magnetic Ballast	
4' 1 lamp T12VHO magnetic ballast	LED (4') medium output strip luminaire or retrofit kit >3000 lm and <=55W
8' 1 lamp T12VHO magnetic ballast	LED (4') medium output strip luminaire or retrofit kit >3000 lm and <=55W
8' 1 lamp T12VHO magnetic ballast	LED (8') high output strip luminaire or retrofit kit >5000 lm and <=110W
Fluorescent T5HO Electronic Ballast	
4' 2 lamp T5HO electronic ballast	LED (4') high output strip luminaire or retrofit kit >5000 lm and <=90W
Low/High Bay Fluorescent	
Low/high bay fluorescent > 110W and <= 130W	LED luminaire or retrofit kit > 5000 lm and <= 110 W
Low/high bay fluorescent > 130W and <= 210W	LED luminaire or retrofit kit > 12000 lm and <= 190 W
Low/high bay fluorescent > 210W and <= 375W	LED luminaire or retrofit kit > 19000 lm and <= 350 W

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Bi-level lighting (stairwells only)

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
2' 2 lamp fluorescent	LED (4') low output bi-level strip luminaire >1500 lm and <=35W
4' 1 lamp fluorescent	LED (4') low output bi-level strip luminaire >1500 lm and <=35W
4' 2 lamp fluorescent	LED (4') low output bi-level strip luminaire >1500 lm and <=35W
	LED (4') medium output bi-level strip luminaire >3000 lm and <=55W

Other lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Incandescent	
Incandescent/Halogen <40W	LED hardwired < 450 lumen
Incandescent/Halogen A lamp =40W	LED hardwired ≥ 450 lumen < 600 lumen
Incandescent/Halogen A lamp =60W	LED hardwired ≥ 600 lumen < 1000 lumen
Incandescent/Halogen A lamp >100W	LED hardwired >1300 lumen < 4000 lumen
Halogen	
Halogen MR16 ≥ 20 W	LED MR16 ≥ 200 lumen
Halogen Reflector < 60 W	LED reflector lamp ≤ 600 lumen
	LED hardwired ≤ 600 lumen
Halogen Reflector ≥ 60 W and ≤ 100 W	LED hardwired > 600 lumen
	LED reflector lamp > 600 lumen and ≤ 1500 lumen

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High intensity discharge lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
High Pressure Sodium	
50 W	LED luminaire or retrofit kit > 500 lm and ≤ 20 W
70 W	Low Bay HO Fluorescent ≤ 60W
	Induction luminaire or retrofit kit ≤ 40 W
	LED luminaire or retrofit kit > 1500 lm and ≤ 40 W
100 W	Low Bay HO Fluorescent ≤ 60W
	Induction luminaire or retrofit kit ≤ 80 W
	LED luminaire or retrofit kit > 3000 lm and ≤ 80 W
150 W	Low/High Bay HO Fluorescent ≤ 110W
	Induction luminaire or retrofit kit ≤ 110 W
	LED luminaire or retrofit kit > 5000 lm and ≤ 90 W
200 W	Induction luminaire or retrofit kit ≤ 130 W
	LED luminaire or retrofit kit > 8000 lm and ≤ 140 W
250 W	Low/High Bay HO Fluorescent ≤ 210W
	Induction luminaire or retrofit kit ≤ 180 W
	LED luminaire or retrofit kit > 12000 lm and ≤ 190 W
400 W	Low/High Bay HO Fluorescent ≤ 375W
	Induction luminaire or retrofit kit ≤ 350 W
	LED luminaire or retrofit kit > 19000 lm and ≤ 350 W
1000 W	LED luminaire or retrofit kit > 40000 lm and ≤ 1000 W
1500 — 2000 W	LED luminaire or retrofit kit > 60000 lm and ≤ 1500 W

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Eligible configurations list

High intensity discharge lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Metal Halide	
50 W	LED luminaire or retrofit kit > 500 lm and ≤ 20 W
70 / 75 W	Low Bay HO Fluorescent ≤ 60W
	Induction luminaire or retrofit kit ≤ 40 W
	LED luminaire or retrofit kit > 1500 lm and ≤ 40 W
100 W	Low Bay HO Fluorescent ≤ 60W
	Induction luminaire or retrofit kit < 80 W
	LED luminaire or retrofit kit > 3000 lm and ≤ 80 W
150 W	Low/High Bay HO Fluorescent ≤ 110W
	Induction luminaire or retrofit kit ≤ 110 W
	LED luminaire or retrofit kit > 5000 lm and ≤ 90 W
175 W	High Bay HO Fluorescent ≤ 130W
	Induction luminaire or retrofit kit ≤ 110 W
	LED luminaire or retrofit kit > 5000 lm and ≤ 110 W
250 W	High Bay HO Fluorescent ≤ 210W
	Induction luminaire or retrofit kit ≤ 180 W
	LED luminaire or retrofit kit > 12000 lm and ≤ 190 W
350 W	LED luminaire retrofit kit >16,000 lm and ≤ 230W
360 W	High Bay HO Fluorescent ≤ 375W
	LED luminaire retrofit kit >16,000 lm and ≤ 230W
400 W	Low/High Bay HO Fluorescent ≤ 375W
	Induction luminaire or retrofit kit ≤ 350 W
	LED luminaire or retrofit kit > 19000 lm and ≤ 350 W

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High intensity discharge lighting

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
450W — 575W (including Pulse Start)	LED luminaire or retrofit kit > 21000 lm and <= 400 W
600W — 900W (including Pulse Start)	LED luminaire or retrofit kit > 28000 lm and <= 700 W
1000 W	LED luminaire or retrofit kit > 40000 lm and <= 1000 W
1500 — 2000 W	LED luminaire or retrofit kit > 60000 lm and <= 1500 W

Legacy signage

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Neon	LED strips
T12 HO Fluorescent	LED strips

Controls and sensors

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Uncontrolled Interior Lighting	Daylight harvesting Occupancy sensor or timer Both daylight harvesting and occupancy sensor or timer

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HVAC

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
HVAC Fan	Fan with variable frequency drive
HVAC Pump	Pump with variable frequency drive
Standard pump <1.2HP	Variable speed ECM pump <0.6HP
Standard pump (>0.6HP and <2HP)	Variable speed ECM pump (≥0.6HP and <1HP)
Standard pump <3HP	Variable speed ECM pump (≥1HP and ≤2HP)
Economizer Controller Sensor	Economizer Controller Sensor (Rooftop units >7 tons)
Inefficient sensor (HVAC system ≥ 7.5 tons and < 10 tons)	Efficient sensor (HVAC system ≥ 7.5 tons and < 10 tons)
Inefficient sensor (HVAC system ≥ 10 tons and ≤ 15 tons)	Efficient sensor (HVAC system ≥ 10 tons and ≤ 15 tons)
Inefficient sensor (HVAC system > 15 tons)	Efficient sensor (HVAC system > 15 tons)

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Refrigeration

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Open vertical display case (low temperature)	New vertical display case with doors (low temperature)
	Add doors to open displays
Anti-sweat heater for vertical display case doors	Add Anti-sweat heater humidistat control
Open vertical display cases (low or medium temperature)	Add night covers
Open horizontal display cases (low temperature)	Add night covers
Open entrance to walk-in cases (low or medium temperature)	Add strip curtain to entrance
Shaded pole motor for walk in coolers (low and medium temperature)	New ECM Fan Motor System
Standard evaporator fan motor for reach-in refrigerated cases (low and medium temperature)	New ECM Fan Motor System
Lighting—1-door unit	
T12 HO magnetic ballast or T10 VHO	LED refrigerated lighting system
T12 HO electronic ballast	LED refrigerated lighting system
T8	LED refrigerated lighting system

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Ice rink technologies

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Ice Rink	Low Emissivity Ceiling (ice rinks) Low Emissivity Ceiling (curling rinks)
Brine Pump 15 HP	Pony Motor—5 HP Variable Frequency Drive—15 HP
Brine Pump 20 HP	Pony Motor—7.5 HP Variable Frequency Drive—20 HP
Brine Pump 25 HP	Pony Motor—7.5 HP Variable Frequency Drive—25 HP
Brine Pump 30 HP	Pony Motor—10 HP Variable Frequency Drive—30 HP
Brine Pump 15 HP (curling rink)	Pony Motor—5 HP Variable Frequency Drive—15 HP

Livestock waterer

EXISTING TECHNOLOGY	RETROFIT TECHNOLOGY
Lower Mainland	
Herd ≤ 100 Livestock	Energy Efficient Livestock Waterer Energy Free Livestock Waterer
Herd > 100 Livestock	Energy Efficient Livestock Waterer Energy Free Livestock Waterer
BC Interior	
Herd ≤ 100 Livestock	Energy Efficient Livestock Waterer
Herd > 100 Livestock	Energy Efficient Livestock Waterer